

compositions based on difluoromethoxy-bis(difluoromethyl ether) and/or 1-difluoromethoxy-1, 1, 2, 2-tetrafluoroethyl difluoromethyl ether, said foaming agent compositions selected from the group consisting of:

	composition % by weight
I) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-pentane	1-95 99-5
II) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); iso-pentane	1-99 99-1
III) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	1-60 99-40
IV) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); 1,1,1,3,3-pentafluorobutane ($\text{CF}_3\text{CH}_2\text{CF}_2\text{CH}_3$, HFC 365 mfc)	1-99 99-1
V) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); 1,1,1,4,4,4-hexafluorobutane ($\text{CF}_3\text{CH}_2\text{CH}_2\text{CF}_3$, HFC 356 ffa)	1-40 99-60
VI) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); methoxymethyl methylether	1-96 99-14
VII) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-hexane	30-99 70-1

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VIII)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-pentane	1-93 99-7
IX)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	30-99 70-1
X)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-hexane	15-99 85-1
XI)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); ethyl alcohol	5-99 95-1
XII)	difluoromethoxy-bis (difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); 1,1,1,3,3-pentafluorobutane ($\text{CF}_3\text{CH}_2\text{CF}_2\text{CH}_3$, HFC 365 mfc) a hydrocarbon selected from n-pentane or isopentane	1-64 98-1 1-35 and
XIII)	difluoromethoxy-bis (difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); 1,1,1,4,4,4-hexafluorobutane ($\text{CF}_3\text{CH}_2\text{CH}_2\text{CF}_3$, HFC 356 ffa) a hydrocarbon selected from n-pentane or isopentane	1-22 98-43 1-35

wherein

- (1) in the foaming agent compositions II, III, IV, V and VI, up to 40% by weight of the difluoromethoxy-bis(difluoromethyl ether) is optionally substituted with 1-difluoro methoxy-1,1,2,2-tetrafluoroethyl difluoromethyl ether;

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(2) in the foaming agent composition IX, up to 40% by weight of 1-difluoromethoxy-1,1,2,2-tetrafluoroethyl difluoromethyl ether is optionally substituted by difluoromethoxy-bis(difluoromethyl) ether;

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(3) in the foaming agent compositions I and VII, up to 50% by weight of difluoromethoxy-bis(difluoromethyl ether) is optionally substituted by 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether;

(4) in the foaming agent compositions VIII and X, up to 50% by weight of 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether is optionally substituted with difluoromethoxy-bis(difluoromethyl) ether.

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12 (Amended). The process according to claim 1, wherein for polyurethane foams the compositions are selected from the group consisting of:

		composition % by weight
I)	difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); n-pentane	1-95 99-5
II)	difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); iso-pentane	1-99 99-1
IV)	difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); 1,1,1,3,3-pentafluorobutane (CF ₃ CH ₂ CF ₂ CH ₃ , HFC 365 mfc)	1-99 99-1
V)	difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); 1,1,1,4,4,4-hexafluorobutane (CF ₃ CH ₂ CH ₂ CF ₃ , HFC 356 ffa)	1-40 99-60

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VI)	difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); methoxymethyl methylether	1-96 99-14
VII)	difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-hexane	30-99 70-1
VIII)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-pentane	1-93 99-7 and
X)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-hexane	15-99 85-1.

18 (Amended). The process according to claim 1, wherein for thermoplastic foams the compositions are selected from the group consisting of:

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	composition % by weight
I) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-pentane	1-95 99-5
II) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); iso-pentane	1-99 99-1
III) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	1-60 99-40

VII)	difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-hexane	30-99
		70-1
VIII)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-pentane	1-93
		99-7
IX)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	30-99
		70-1
X)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-hexane	15-99
		85-1
XI)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); ethyl alcohol	5-99
		95-1
XII)	difluoromethoxy-bis (difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); 1,1,1,3,3-pentafluorobutane ($\text{CF}_3\text{CH}_2\text{CF}_2\text{CH}_3$, HFC 365 mfc) a hydrocarbon selected from n-pentane or isopentane	1-64
		98-1
		1-35 and
XIII)	difluoromethoxy-bis (difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); 1,1,1,4,4,4-hexafluorobutane ($\text{CF}_3\text{CH}_2\text{CH}_2\text{CF}_3$, HFC 356 ffa) a hydrocarbon selected from n-pentane or isopentane	1-22
		98-43
		1-35.

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22 (Amended). Thermoplastic polymer compositions comprising the foaming compositions selected from the group consisting of:

	composition % by weight
I) difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); n-pentane	1-95 99-5
II) difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); iso-pentane	1-99 99-1
III) difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); dimethyl ketone (acetone)	1-60 99-40
VII) difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); n-hexane	30-99 70-1
VIII) 1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether (HCF ₂ OCF ₂ CF ₂ OCF ₂ H); n-pentane	1-93 99-7
IX) 1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether (HCF ₂ OCF ₂ CF ₂ OCF ₂ H); dimethyl ketone (acetone)	30-99 70-1
X) 1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether (HCF ₂ OCF ₂ CF ₂ OCF ₂ H); n-hexane	15-99 85-1

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| XI) | 1-difluoromethoxy
1,1,2,2-tetrafluoroethyl
difluoromethyl ether
($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$);
ethyl alcohol | 5-99
95-1 |
| XII) | difluoromethoxy-bis
(difluoromethyl ether)
($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$);
1,1,1,3,3-pentafluorobutane
($\text{CF}_3\text{CH}_2\text{CF}_2\text{CH}_3$, HFC 365 mfc)
a hydrocarbon selected from
n-pentane or isopentane | 1-64
98-1
1-35 and |
| XIII) | difluoromethoxy-bis
(difluoromethyl ether)
($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$);
1,1,1,4,4,4-hexafluorobutane
($\text{CF}_3\text{CH}_2\text{CH}_2\text{CF}_3$, HFC 356 ffa)
a hydrocarbon selected from
n-pentane or isopentane | 1-22
98-43
1-35. |

Sub F4 23 (Amended). Polyurethane polymer compositions comprising foaming agents
selected from the group consisting of:

- | | composition
% by weight |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| I) difluoromethoxy
bis(difluoromethyl ether)
($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$);
n-pentane | 1-95
99-5 |
| II) difluoromethoxy
bis(difluoromethyl ether)
($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$);
iso-pentane | 1-99
99-1 |
| IV) difluoromethoxy
bis(difluoromethyl ether)
($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$);
1,1,1,3,3-pentafluorobutane
($\text{CF}_3\text{CH}_2\text{CF}_2\text{CH}_3$, HFC 365 mfc) | 1-99
99-1 |

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V)	difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); 1,1,1,4,4,4-hexafluorobutane (CF ₃ CH ₂ CH ₂ CF ₃ , HFC 356 ffa)	1-40 99-60
VI)	difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); methoxymethyl methylether	1-96 99-14
VII)	difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); n-hexane	30-99 70-1 and
VIII)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether (HCF ₂ OCF ₂ CF ₂ OCF ₂ H); n-pentane	1-93 99-7
X)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether (HCF ₂ OCF ₂ OCF ₂ H); n-hexane	15-99 85-1.

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Please add new claims 24-27 as follows.

24 (New). The process according to claim 12, wherein for polyurethane foams the compositions are selected from the group consisting of:

composition
% by weight

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A)	difluoromethoxy-bis (difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); n-pentane	62% by wt. 38% by wt.
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| B) | difluoromethoxy-
bis(difluoromethyl ether)
(HCF ₂ OCF ₂ OCF ₂ H);
iso-pentane | 63% by wt.
36% by wt. |
| D) | difluoromethoxy-
bis(difluoromethyl ether)
(HCF ₂ OCF ₂ OCF ₂ H);
1,1,1,3,3-pentafluorobutane
(CF ₃ CH ₂ CF ₂ CH ₃ , HFC 356 mfc) | 60% by wt.
40% by wt. |
| E) | difluoromethoxy-
bis(difluoromethyl ether)
(HCF ₂ OCF ₂ OCF ₂ H);
1,1,1,4,4,4-hexafluorobutane
(CF ₃ CH ₂ CH ₂ CF ₃ , HFC 356 ffa) | 20% by wt.
80% by wt. |
| F) | difluoromethoxy-
bis(difluoromethyl ether)
(HCF ₂ OCF ₂ OCF ₂ H);
methoxymethyl methyl ether | 59% by wt.
41% by wt. |
| G) | difluoromethoxy-
bis(difluoromethyl ether)
(HCF ₂ OCF ₂ OCF ₂ H);
n-hexane | 75% by wt.
25% by wt. |
| H) | 1-difluoromethoxy-1,1,2,2-tetra-
fluoroethyl difluoromethyl ether
(HCF ₂ OCF ₂ CF ₂ OCF ₂ H);
n-pentane | 61% by wt.
39% by wt. and |
| L) | 1-difluoromethoxy-1,1,2,2-tetra-
fluoroethyl difluoromethyl ether
(HCF ₂ OCF ₂ CF ₂ OCF ₂ H);
n-hexane | 74% by wt.
26% by wt. |

25 (New). The process according to claim 18, wherein for thermoplastic foams the compositions are selected from the group consisting of:

	composition % by weight
A) difluoromethoxy-bis (difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-pentane	62% by wt. 38% by wt.
B) difluoromethoxy- bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); iso-pentane	63% by wt. 36% by wt.
C) difluoromethoxy- bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	42% by wt. 58% by wt.
G) difluoromethoxy- bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-hexane	75% by wt. 25% by wt.
H) 1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-pentane	61% by wt. 39% by wt.
I) 1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	79% by wt. 21% by wt.
L) 1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-hexane	74% by wt. 26% by wt. and
M) 1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); ethyl alcohol	95% by wt. 5% by wt.

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26 (New). Thermoplastic polymer compositions according to claim 22 comprising foaming compositions selected from the group consisting of:

	composition % by weight
A) difluoromethoxy-bis (difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-pentane	62% by wt. 38% by wt.
B) difluoromethoxy- bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); iso-pentane	63% by wt. 36% by wt.
C) difluoromethoxy- bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	42% by wt. 58% by wt.
G) difluoromethoxy- bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-hexane	75% by wt. 25% by wt.
H) 1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-pentane	61% by wt. 39% by wt.
I) 1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	79% by wt. 21% by wt.
L) 1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-hexane	74% by wt. 26% by wt. and
M) 1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); ethyl alcohol	95% by wt. 5% by wt.

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27 (Amended). Polyurethane polymer compositions according to claim 23 comprising foaming agents selected from the group consisting of:

	composition % by weight
A) difluoromethoxy-bis (difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); n-pentane	62% by wt. 38% by wt.
B) difluoromethoxy- bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); iso-pentane	63% by wt. 36% by wt.
D) difluoromethoxy- bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); 1,1,1,3,3-pentafluorobutane (CF ₃ CH ₂ CF ₂ CH ₃ , HFC 356 mfc)	60% by wt. 40% by wt.
E) difluoromethoxy- bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); 1,1,1,4,4,4-hexafluorobutane (CF ₃ CH ₂ CH ₂ CF ₃ , HFC 356 ffa)	20% by wt. 80% by wt.
F) difluoromethoxy- bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); methoxymethyl methyl ether	59% by wt. 41% by wt.
G) difluoromethoxy- bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); n-hexane	75% by wt. 25% by wt.
H) 1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether (HCF ₂ OCF ₂ CF ₂ OCF ₂ H); n-pentane	61% by wt. 39% by wt. and
L) 1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether (HCF ₂ OCF ₂ CF ₂ OCF ₂ H); n-hexane	74% by wt. 26% by wt.